

FIG.1

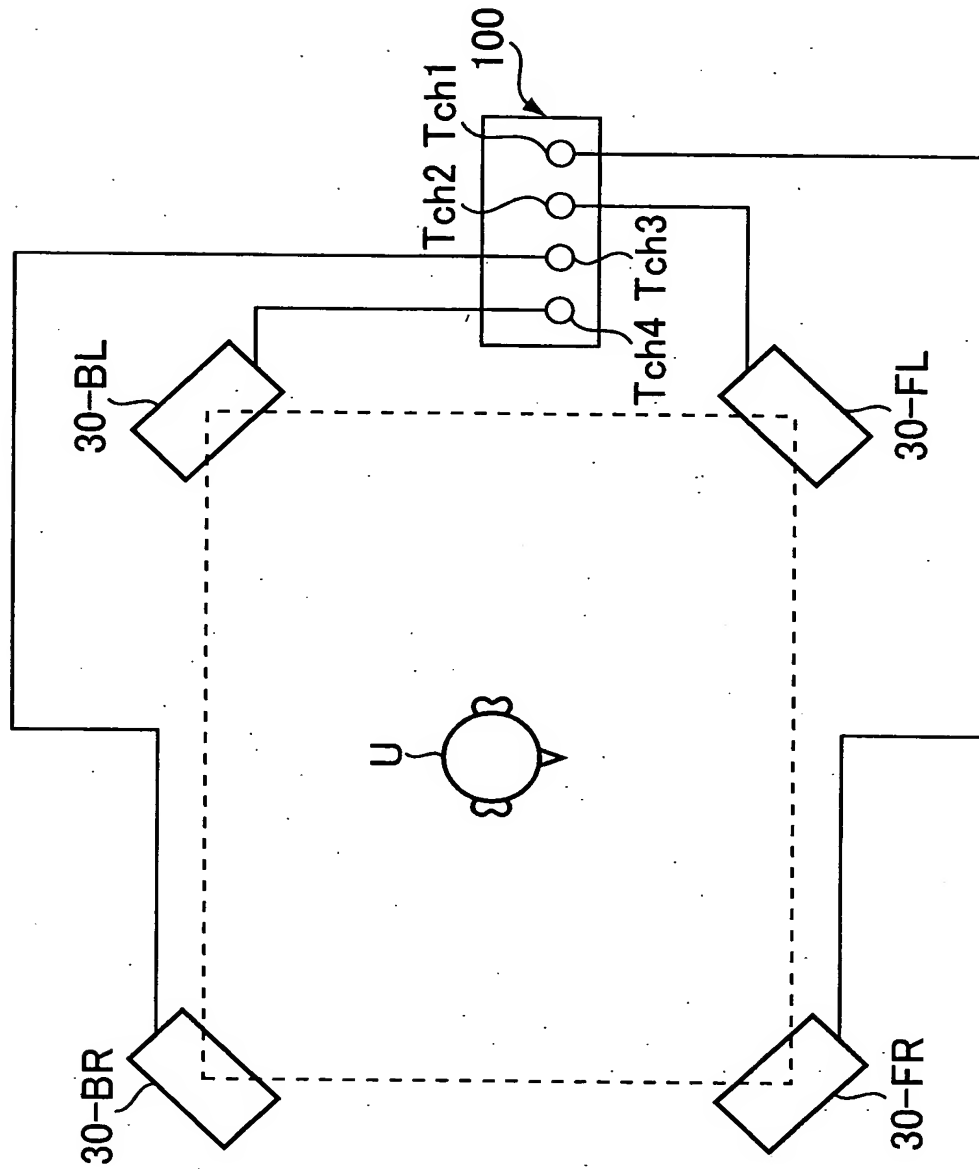


FIG.2

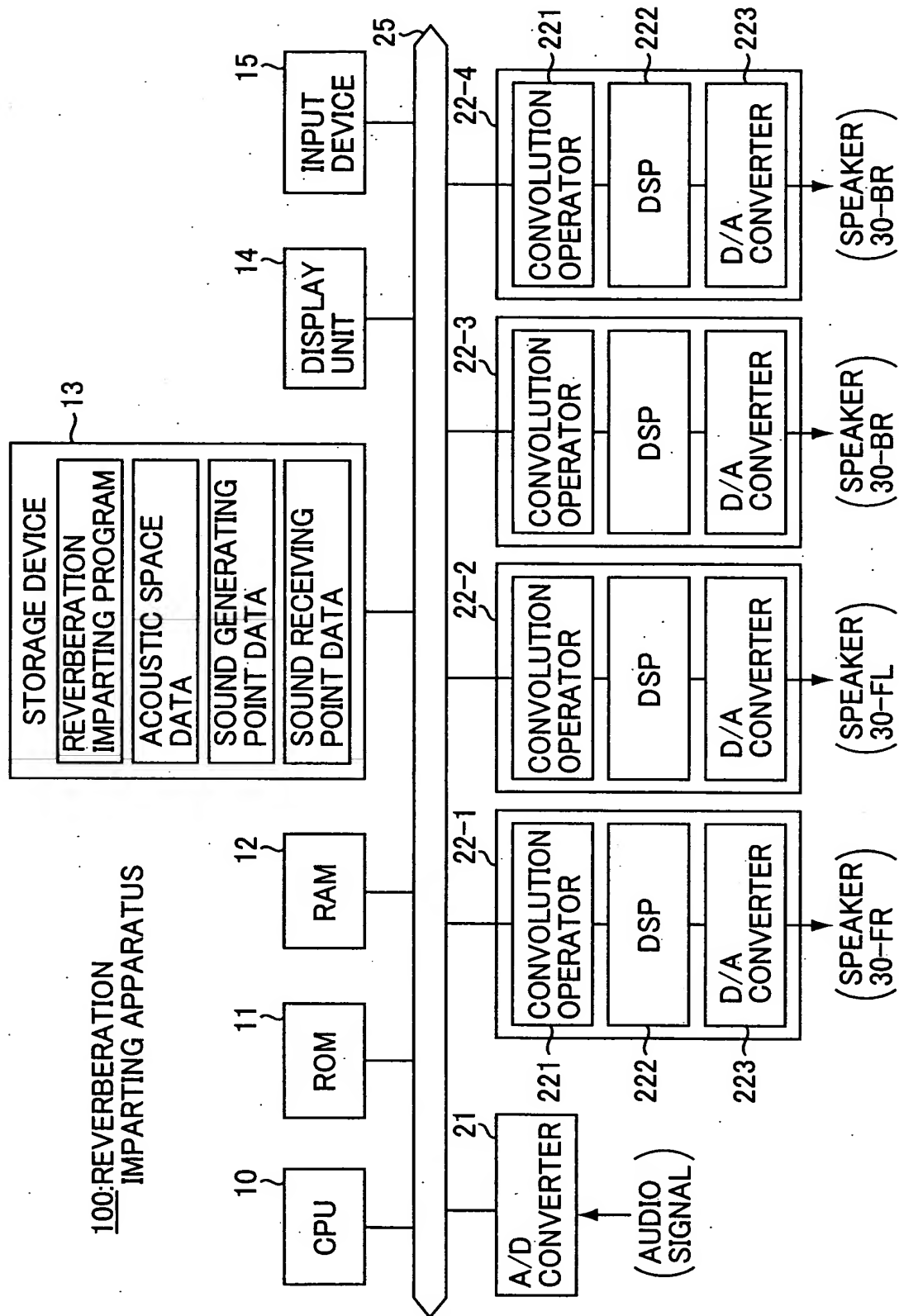


FIG.3 (a)

ACOUSTIC SPACE

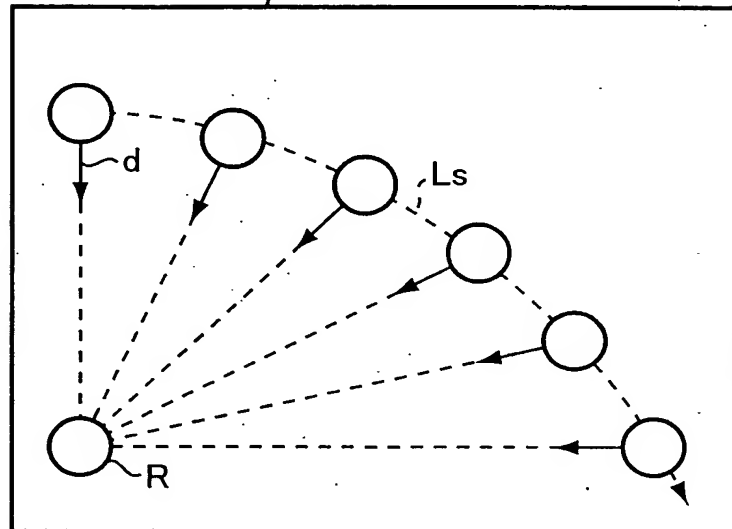


FIG.3 (b)

ACOUSTIC SPACE

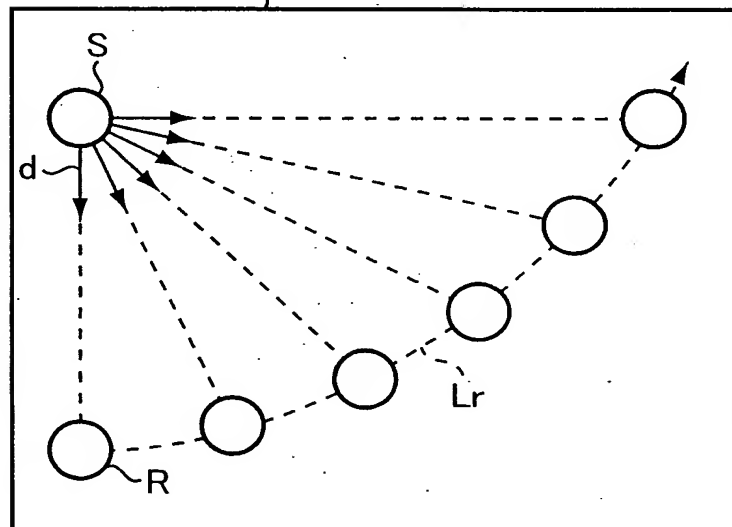


FIG.4 (a)

ACOUSTIC SPACE

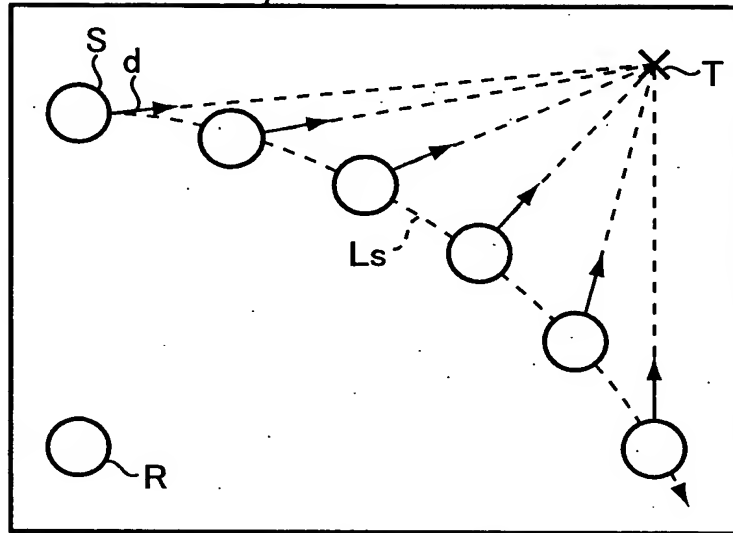


FIG.4 (b)

ACOUSTIC SPACE

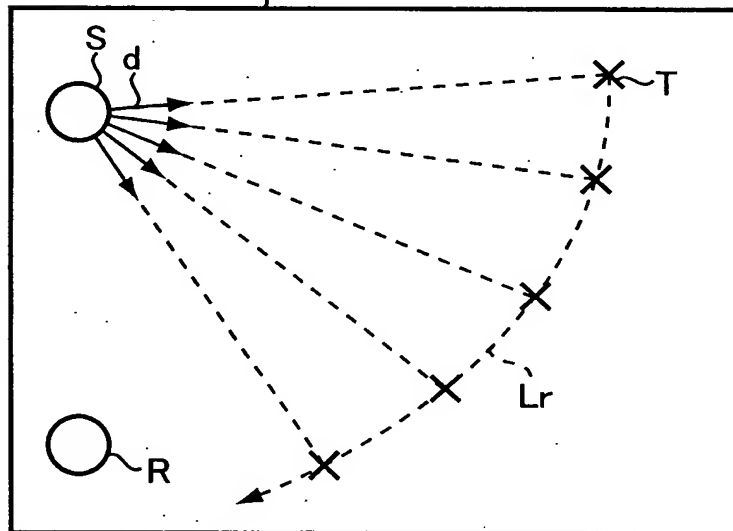


FIG.5

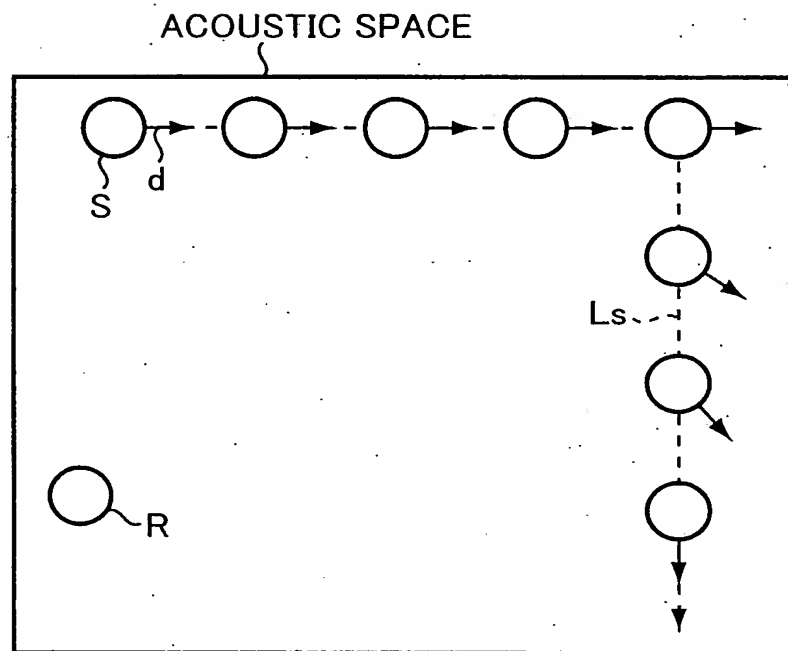


FIG.6

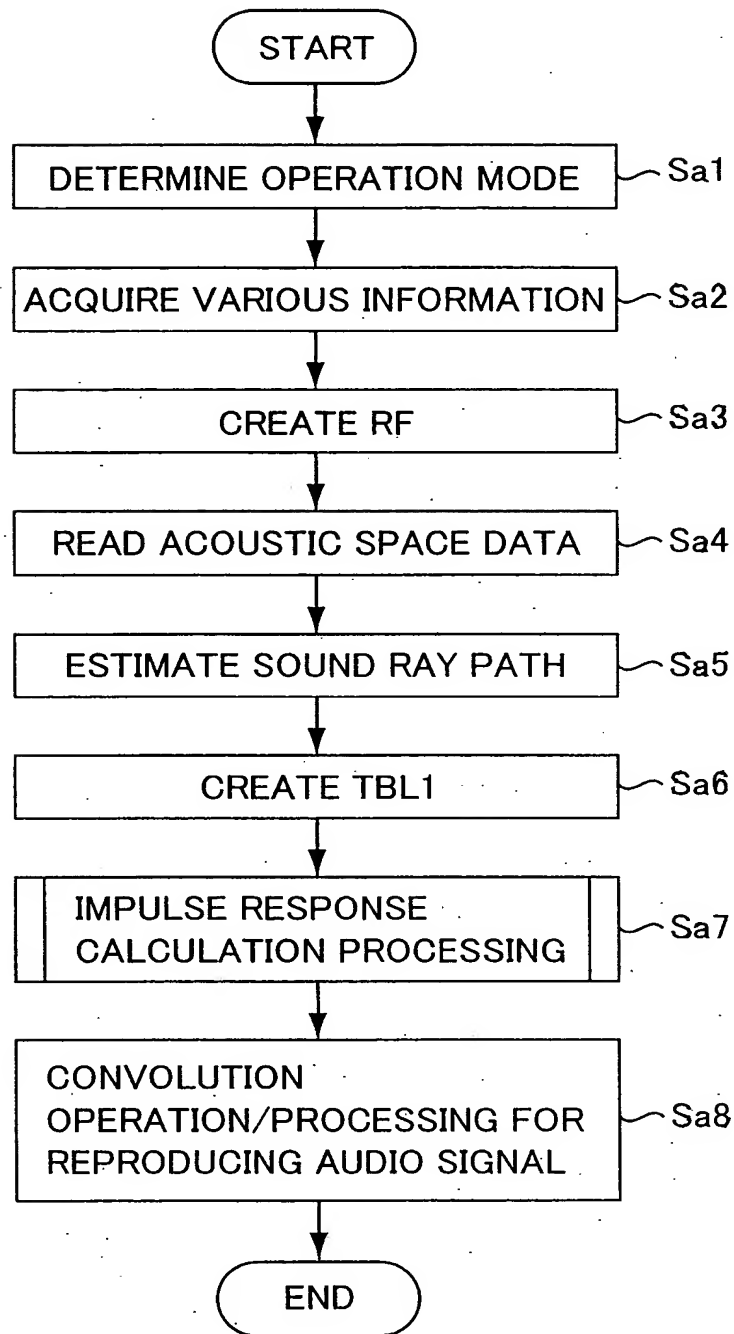


FIG.7

RF



ACOUSTIC SPACE	XX CONCERT HALL
KIND OF SOUND GENERATING POINT	TRUMPET
POSITION OF SOUND GENERATING POINT	(Xs,Ys,Zs)
ORIENTATION OF SOUND GENERATING POINT	(Xsd,Ysd,Zsd)
KIND OF SOUND RECEIVING POINT	HUMAN BEING
POSITION OF SOUND RECEIVING POINT	(XR,YR,ZR)
ORIENTATION OF SOUND RECEIVING POINT	(XRd,YRd,ZRd)
POSITION OF TARGET POINT	(XT,YT,ZT)

FIG.8

TBL1

SOUND RAY PATH LENGTH	EMITTING DIRECTION	REACHING DIRECTION	NUMBER OF REFLECTIONS	REFLECTION ATTENUATION RATE
L1	(Xr1,Yr1,Zr1)	(Xa1,Ya1,Za1)	1	d1
L2	(Xr2,Yr2,Zr2)	(Xa2,Ya2,Za2)	2	d2
• • •	• • •	• • •	• • •	• • •

FIG.9

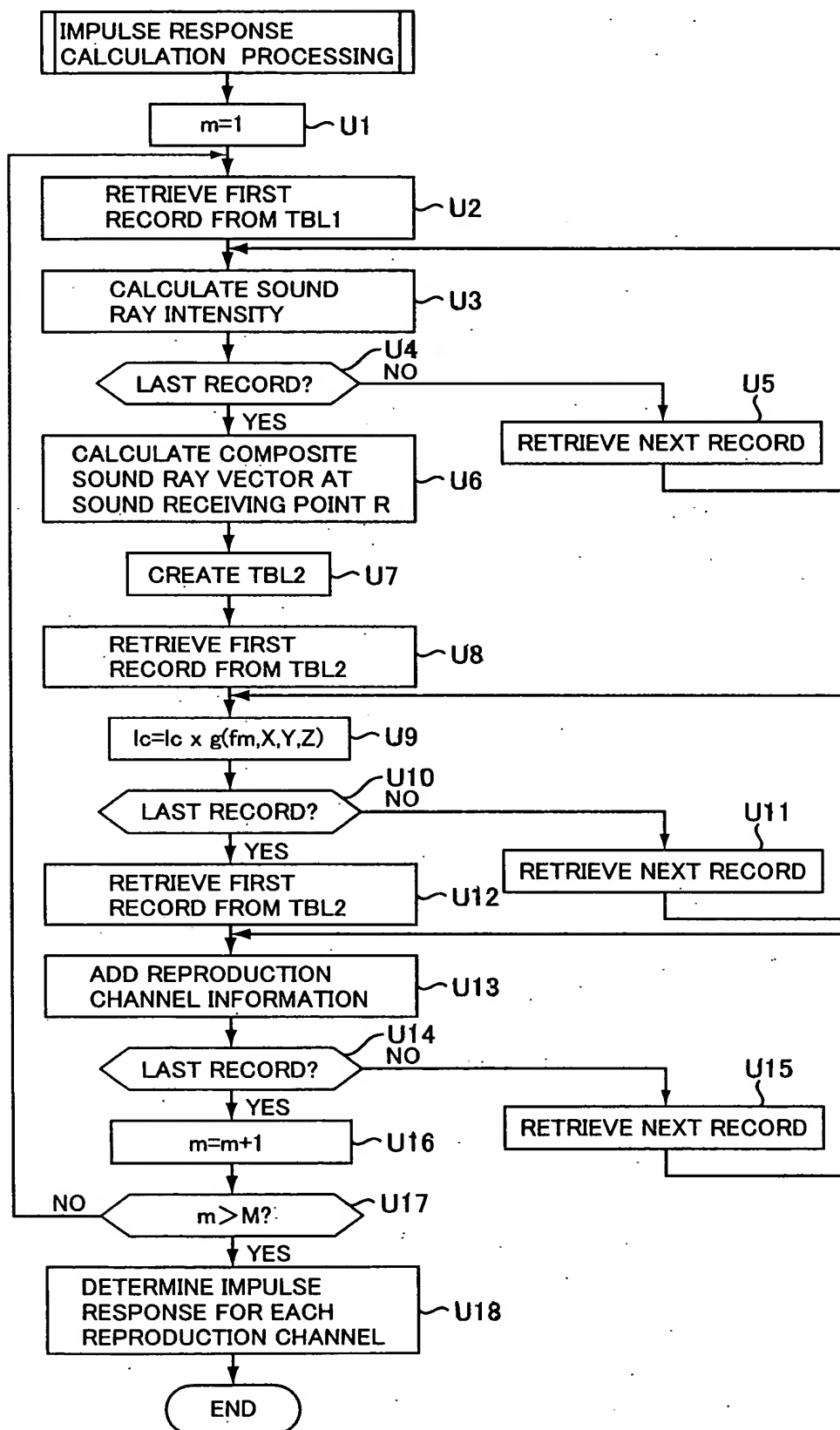


FIG.10

TBL2

REVERBERATION DELAY TIME	COMPOSITE SOUND RAY INTENSITY	COMPOSITE REACHING DIRECTION
3msec	I_{c1}	(X_{c1}, Y_{c1}, Z_{c1})
3.2msec	I_{c2}	(X_{c2}, Y_{c2}, Z_{c2})
⋮	⋮	⋮

FIG.11

TBL2

REVERBERATION DELAY TIME	COMPOSITE SOUND RAY INTENSITY	COMPOSITE REACHING DIRECTION	REPRODUCTION CHANNEL INFORMATION
3msec	I_{c1}	(X_{c1}, Y_{c1}, Z_{c1})	REPRODUCTION CHANNEL [1]
3.2msec	I_{c2}	(X_{c2}, Y_{c2}, Z_{c2})	REPRODUCTION CHANNEL [3]
⋮	⋮	⋮	⋮

FIG.12

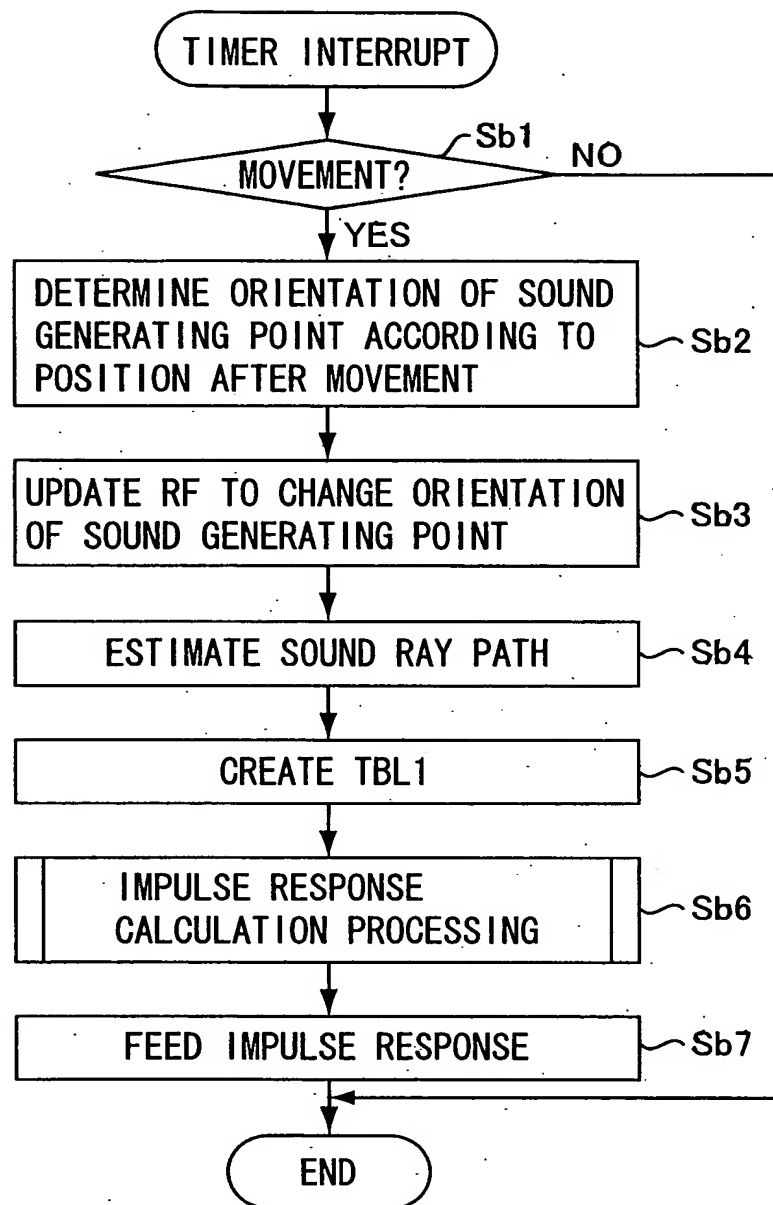


FIG.13

